

| | Type | Hits | Search Text |
|----|------|-------|---|
| 1 | BRS | 1 | 10/735016 |
| 2 | BRS | 1 | S2 and ('othr than' '45' pulish\$5 cut\$5 grind\$4 cleav\$5 saturat\$5) |
| 3 | BRS | 294 | (fiber\$1 fibre\$1 waveguide\$1) near7 end near5 angle\$2 near4 reflect\$5 same (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5 laser\$1 sourc\$2 vcsel emit\$4) |
| 4 | BRS | 236 | (fiber\$1 fibre\$1) near7 end near5 angle\$2 near4 reflect\$5 same (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5 laser\$1 sourc\$2 vcsel emit\$4) |
| 5 | BRS | 136 | (fiber\$1 fibre\$1) near7 end near5 angle\$2 near4 reflect\$5 near12 (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5 laser\$1 sourc\$2 vcsel emit\$4) |
| 6 | BRS | 57560 | "385"/\$.ccls. |
| 7 | BRS | 63 | S6 and S7 |
| 8 | BRS | 63 | S8 and angle\$1 |
| 9 | BRS | 6 | ("20050047717" "59999670" "20040120675" "5764832" "5999670" "6236786" "6330377").pn. |
| 10 | BRS | 1 | 10/329252 |
| 11 | BRS | 6 | S10 S11 |
| 12 | BRS | 4 | S10 and (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5) same (laser\$1 sourc\$2 vcsel emit\$4) |
| 13 | BRS | 5 | S10 and (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5 laser\$1 sourc\$2 vcsel emit\$4) |
| 14 | BRS | 4 | S15 and (fiber fibre) |
| 15 | BRS | 6 | ("20050053334" "20030235366" "20030077053" "6904197" "6873780" "5734765").pn. |
| 16 | BRS | 4 | S16 and (fiber fibre) |

| | DBs | Time Stamp |
|-----------|---------------------------------------|-------------------|
| 1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 16:50 |
| 2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 15:43 |
| 3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:53 |
| 4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:51 |
| 5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:53 |
| 6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 15:51 |
| 7 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 15:52 |
| 8 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:48 |
| 9 | US-PGPUB; USPAT | 2005/07/05 17:15 |
| 10 | US-PGPUB; USPAT | 2005/07/05 17:16 |
| 11 | US-PGPUB; USPAT | 2005/07/05 17:17 |
| 12 | US-PGPUB; USPAT | 2005/07/05 17:19 |
| 13 | US-PGPUB; USPAT | 2005/07/05 17:33 |
| 14 | US-PGPUB; USPAT | 2005/07/05 17:32 |
| 15 | US-PGPUB; USPAT | 2005/07/05 17:32 |
| 16 | US-PGPUB; USPAT | 2005/07/05 17:32 |

| | Type | Hits | Search Text |
|----|------|------|--|
| 17 | BRS | 6 | S17 and (fiber fibre) |
| 18 | BRS | 5 | S17 and (fibers fibres) |
| 19 | BRS | 5 | S20 and (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5 laser\$1 sourc\$2 vcsel emit\$4) |
| 20 | BRS | 0 | S10 and S17 |
| 21 | BRS | 12 | S10 S17 |
| 22 | BRS | 3 | S23 and attenua\$5 |
| 23 | BRS | 2 | "5999670".pn. |
| 24 | BRS | 0 | S25 and S9 |
| 25 | BRS | 0 | S25 and S9 |
| 26 | BRS | 0 | S25 and S5 |
| 27 | BRS | 1 | S25 and (fiber\$1 fibre\$1) same angle\$2 same reflect\$5 same (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5 laser\$1 sourc\$2 vcsel emit\$4) |
| 28 | BRS | 371 | (fiber\$1 fibre\$1 waveguide\$1) near7 angle\$2 near4 reflect\$5 near7 (laser\$1 sourc\$2 vcsel emit\$4) |
| 29 | BRS | 5 | (fiber\$1 fibre\$1 waveguide\$1) near4 tip near7 angle\$2 near4 reflect\$5 near7 (laser\$1 sourc\$2 vcsel emit\$4) |
| 30 | BRS | 5 | S23 and (polish\$4) |
| 31 | BRS | 1 | S29 and angle\$1 |
| 32 | BRS | 1 | 10/735016 |
| 33 | BRS | 1 | "5999670".pn. |
| 34 | BRS | 1 | S34 and (waveguides fibers fibres coupler\$1 interferom\$5 branch\$4 mzi\$1) |

| | DBs | Time Stamp |
|----|---------------------------------------|-------------------|
| 17 | US-PGPUB; USPAT | 2005/07/05 17:33 |
| 18 | US-PGPUB; USPAT | 2005/07/05 17:33 |
| 19 | US-PGPUB; USPAT | 2006/06/28 20:14 |
| 20 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:41 |
| 21 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:41 |
| 22 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:49 |
| 23 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/06 10:55 |
| 24 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:50 |
| 25 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:50 |
| 26 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:51 |
| 27 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:52 |
| 28 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:55 |
| 29 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:56 |
| 30 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/05 17:59 |
| 31 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:00 |
| 32 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/06 12:44 |
| 33 | US-PGPUB; USPAT | 2005/07/06 12:44 |
| 34 | US-PGPUB; USPAT | 2005/07/06 10:58 |

| | Type | Hits | Search Text |
|----|------|-------|--|
| 35 | BRS | 1 | S34 and (waveguides fibers fibres coupler\$1 interferom\$5 branch\$4 mzi\$1) same (detect\$5 sourc\$2 laser\$4 light transmi\$6 receiv\$5) |
| 36 | BRS | 1 | S34 and (waveguides fibers fibres coupler\$1 interferom\$5 branch\$4 mzi\$1) same (detect\$5 emit\$4 sourc\$2 laser\$4 light transmi\$6 receiv\$5) |
| 37 | BRS | 1 | S34 and (loss\$4 same (improv\$4 smooth\$5)) |
| 38 | BRS | 1 | 10/735016 |
| 39 | BRS | 1 | "5999670".pn. |
| 40 | BRS | 1 | S40 and (light power intensit\$5 loss\$4 saturat\$4) |
| 41 | BRS | 2 | "5999670".pn. |
| 42 | BRS | 1 | S42 and (fiber\$1 fibre\$1) same angle\$2 same reflect\$5 same (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5 laser\$1 sourc\$2 vcsel emit\$4) |
| 43 | BRS | 1 | S43 and angle\$1 |
| 44 | BRS | 2 | S42 and (reflect\$5 mirror\$1 polish\$4) near7 (waveguide\$1 fiber\$1 fibre\$1) |
| 45 | BRS | 2 | S42 and (reflect\$5 mirror\$1 polish\$4) near12 (waveguide\$1 fiber\$1 fibre\$1) |
| 46 | BRS | 1 | S46 and polish\$5 near5 (waveguide\$1 fiber\$1 fibre\$1) |
| 47 | BRS | 143 | (fiber\$1 fibre\$1) near7 end near5 angle\$2 near4 reflect\$5 near12 (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5 laser\$1 sourc\$2 vcsel emit\$4) |
| 48 | BRS | 59569 | "385"/\$.ccls. |
| 49 | BRS | 65 | S48 and S49 |
| 50 | BRS | 1 | "5999670".pn. |

| | DBs | Time Stamp |
|----|---------------------------------------|-------------------|
| 35 | US-PGPUB; USPAT | 2005/07/06 10:59 |
| 36 | US-PGPUB; USPAT | 2005/07/06 11:37 |
| 37 | US-PGPUB; USPAT | 2005/07/06 12:43 |
| 38 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/07/06 12:44 |
| 39 | US-PGPUB; USPAT | 2005/07/06 12:44 |
| 40 | US-PGPUB; USPAT | 2005/07/06 12:45 |
| 41 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:00 |
| 42 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:05 |
| 43 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:00 |
| 44 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:06 |
| 45 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:19 |
| 46 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:19 |
| 47 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:48 |
| 48 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:48 |
| 49 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2005/12/20 20:48 |
| 50 | US-PGPUB; USPAT | 2006/06/28 19:14 |

| | Type | Hits | Search Text |
|----|------|------|--|
| 51 | BRS | 1 | 10/735016 |
| 52 | BRS | 1 | S53 and (attenuat\$5 similar\$4 '45') |
| 53 | BRS | 0 | S53 and (attenuat\$5 same similar\$4) |
| 54 | BRS | 0 | S53 and (attenuat\$5 same (analogou\$4 similar\$4)) |
| 55 | BRS | 1 | S53 and (angl\$4 degree\$2) and attenu\$5 |
| 56 | BRS | 0 | S52 and (angl\$4 degree\$2) and attenu\$5 |
| 57 | BRS | 1 | S52 and (angl\$4 degree\$2) and (reduc\$4 intensit\$4 attenu\$5 less\$5) |
| 58 | BRS | 1 | S52 and (angl\$4 degree\$2) near12 (waveguide\$2 fiber\$1 fibre\$1) and (reduc\$4 intensit\$4 attenu\$5 less\$5) |
| 59 | BRS | 1 | S52 and (angl\$4 degree\$2) near12 (face\$2 waveguide\$2 fiber\$1 fibre\$1) and (reduc\$4 intensit\$4 attenu\$5 less\$5) |
| 60 | BRS | 1 | S52 and (angl\$4 degree\$2) near12 (face\$2) and (reduc\$4 intensit\$4 attenu\$5 less\$5) |
| 61 | BRS | 1 | "5999670".pn. |
| 62 | BRS | 0 | S64 and (attenuat\$5 same (loss\$4 intensi\$5 magnit\$4 wavelength\$2)) |
| 63 | BRS | 0 | S64 and (attenuat\$5 same (reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2)) and (reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) |
| 64 | BRS | 1 | S64 and (attenuat\$5) |
| 65 | BRS | 0 | S64 and (attenuat\$5 degree\$2) same (reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) and (reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) |
| 66 | BRS | 0 | S64 and (attenuat\$5 degree\$2) and (reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) |
| 67 | BRS | 0 | S64 and (attenuat\$5 degree\$2) and (reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) |

| | DBs | Time Stamp |
|----|---------------------------------------|-------------------|
| 51 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:14 |
| 52 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 17:08 |
| 53 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 17:09 |
| 54 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 17:10 |
| 55 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 17:11 |
| 56 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 17:12 |
| 57 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 17:17 |
| 58 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 17:22 |
| 59 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 17:28 |
| 60 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 17:28 |
| 61 | US-PGPUB; USPAT | 2006/06/28 19:14 |
| 62 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:17 |
| 63 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:18 |
| 64 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:18 |
| 65 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:19 |
| 66 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:20 |
| 67 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/29 11:02 |

| | Type | Hits | Search Text |
|----|------|-------|--|
| 68 | BRS | 1 | S64 and (attenuat\$5 degree\$2) |
| 69 | BRS | 149 | (fiber\$1 fibre\$1) near7 end near5 angle\$2 near4 reflect\$5 near12 (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5 laser\$1 sourc\$2 vcSEL emit\$4) |
| 70 | BRS | 61915 | "385"/\$.ccls. |
| 71 | BRS | 67 | S72 and S73 |
| 72 | BRS | 67 | S74 and angle\$1 |
| 73 | BRS | 6 | ("20050047717" "59999670" "20040120675" "5764832" "5999670" "6236786" "6330377").pn. |
| 74 | BRS | 2 | ("6330377" "20040120675").pn. |
| 75 | BRS | 0 | S64 and (attenuat\$5 degree\$2 angle\$1) near12 (reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) |
| 76 | BRS | 1 | S63 and (attenuat\$5 degree\$2 angle\$1) near12 (reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) |
| 77 | BRS | 1 | S63 and (attenuat\$5 degree\$2 angle\$1 reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) same (reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) |
| 78 | BRS | 1 | S63 and (attenuat\$5 degree\$2 angle\$1 reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) same (grater lower high\$4 reduc\$3 loss\$4 intensi\$5 magnit\$4 wavelength\$2) |
| 79 | BRS | 1 | S63 and ('45' same (loss\$3 reflect\$4 db)) |
| 80 | BRS | 1 | S63 and ('45' same (optim\$4 loss\$3 reflect\$6 db)) |
| 81 | BRS | 1 | S63 and ('45' same (transmi\$5 optim\$4 loss\$3 reflect\$6 db)) |
| 82 | BRS | 173 | (fiber\$3 near7 angle\$2 same angle\$2 near7 attenuat\$4) |
| 83 | BRS | 124 | S85 and (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5 laser\$1 sourc\$2 vcSEL emit\$4) |

| | DBs | Time Stamp |
|----|---------------------------------------|-------------------|
| 68 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:20 |
| 69 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:23 |
| 70 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:23 |
| 71 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:23 |
| 72 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:23 |
| 73 | US-PGPUB; USPAT | 2006/06/28 19:28 |
| 74 | US-PGPUB; USPAT | 2006/06/28 19:29 |
| 75 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:32 |
| 76 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:35 |
| 77 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 19:37 |
| 78 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/29 11:01 |
| 79 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 20:07 |
| 80 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 20:10 |
| 81 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 20:11 |
| 82 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 20:13 |
| 83 | US-PGPUB; USPAT | 2006/06/28 20:15 |

| | Type | Hits | Search Text |
|-----|------|------|---|
| 84 | BRS | 1 | 10/735016 |
| 85 | BRS | 5 | S85 and (receiv\$4 detect\$5 photodiod\$3 photodetect\$5 detect\$5) same (saturat\$4) |
| 86 | BRS | 1 | "5999670".pn. |
| 87 | BRS | 0 | Yoshimura and Ryoko and attenuat\$4 |
| 88 | BRS | 885 | Yoshimura and attenuat\$4 |
| 89 | BRS | 2 | S90 and (angl\$4 near7 (fiber\$2 waveguide\$1) near3 face) |
| 90 | BRS | 2 | S90 and (angl\$4 near7 (fiber\$2 waveguide\$1) near7 cut\$3) |
| 91 | BRS | 2 | S91 and (angl\$4 near7 (fiber\$2 waveguide\$1) near7 cut\$3) |
| 92 | BRS | 40 | S90 and (angl\$4 near7 (fiber\$2 waveguide\$1)) |
| 93 | BRS | 1 | S90 and (angl\$4 near7 (fiber\$2 waveguide\$1)) same attenu\$5 |
| 94 | BRS | 1 | S88 and (reduc\$5 less more increas\$4 decreas\$4 loss\$4 intensi\$5 magnit\$4 wavelength\$2 db '%') |
| 95 | BRS | 1 | S88 and (reduc\$5 less more increas\$4 decreas\$4 loss\$4 intensi\$5 magnit\$4 wavelength\$2 db '%' optim\$5) |
| 96 | BRS | 1 | "6751395".pn. |
| 97 | BRS | 1 | S98 and ('45' attenua\$5 'db' 'loss' degree degrees angl\$2) |
| 98 | BRS | 4 | ("633037" "20040120675" "20050053334" "20030235366" "5734765" "69041" "97").pn. |
| 99 | BRS | 6 | ("6330377" "20040120675" "20050053334" "20030235366" "5734765" "6904197").pn. |
| 100 | BRS | 0 | S101 and ('45' near12 angl\$2) |
| 101 | BRS | 3 | S101 and attenua\$5 |
| 102 | BRS | 3 | S101 and attenua\$6 |

| | DBs | Time Stamp |
|-----|---------------------------------------|------------------|
| 84 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/28 20:14 |
| 85 | US-PGPUB; USPAT | 2006/06/29 11:28 |
| 86 | US-PGPUB; USPAT | 2006/06/29 11:28 |
| 87 | US-PGPUB; USPAT | 2006/06/29 10:27 |
| 88 | US-PGPUB; USPAT | 2006/06/29 10:28 |
| 89 | US-PGPUB; USPAT | 2006/06/29 10:32 |
| 90 | US-PGPUB; USPAT | 2006/06/29 10:32 |
| 91 | US-PGPUB; USPAT | 2006/06/29 10:32 |
| 92 | US-PGPUB; USPAT | 2006/06/29 10:34 |
| 93 | US-PGPUB; USPAT | 2006/06/29 10:34 |
| 94 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/29 11:11 |
| 95 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/29 11:41 |
| 96 | US-PGPUB; USPAT | 2006/06/29 11:28 |
| 97 | US-PGPUB; USPAT | 2006/06/29 11:35 |
| 98 | US-PGPUB; USPAT | 2006/06/29 11:38 |
| 99 | US-PGPUB; USPAT | 2006/06/29 11:53 |
| 100 | US-PGPUB; USPAT | 2006/06/29 11:40 |
| 101 | US-PGPUB; USPAT | 2006/06/29 11:41 |
| 102 | US-PGPUB; USPAT | 2006/06/29 11:53 |

| | Type | Hits | Search Text |
|-----|------|------|---|
| 103 | BRS | 3 | S104 and (reduc\$5 less more increas\$4 decreas\$4 loss\$4 intensi\$5 magnit\$4 wavelength\$2 db '%' optim\$5) same (angl\$2 inclina\$5) |
| 104 | BRS | 7 | ("6330377" "20040120675" "20050053334" "20030235366" "5734765" "6904197" "5764832").pn. |
| 105 | BRS | 3 | S106 and attenua\$6 |

| | DBs | Time Stamp |
|-----|---------------------------------------|------------------|
| 103 | US-PGPUB; USPAT; EPO; JPO; DERWENT | 2006/06/29 11:42 |
| 104 | US-PGPUB; USPAT | 2006/06/29 11:53 |
| 105 | US-PGPUB; USPAT | 2006/06/29 11:53 |